

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090263

Mode: Highway

Status: Submitted

NC-42, SR-1579 (Broadway Road, North Main Street)

From/Cross Street: US 421 (Horner Boulevard) in Sanford, NC 42 (Avents Ferry Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1579, SR 1538 (Buckhorn Avenue) in Broadway **Project Category:** Regional Impact

Length: 5.59

TIP#: R-3830

Fully Funded in Draft STIP? No

Cost to NCDOT: \$62,639,000

Description:

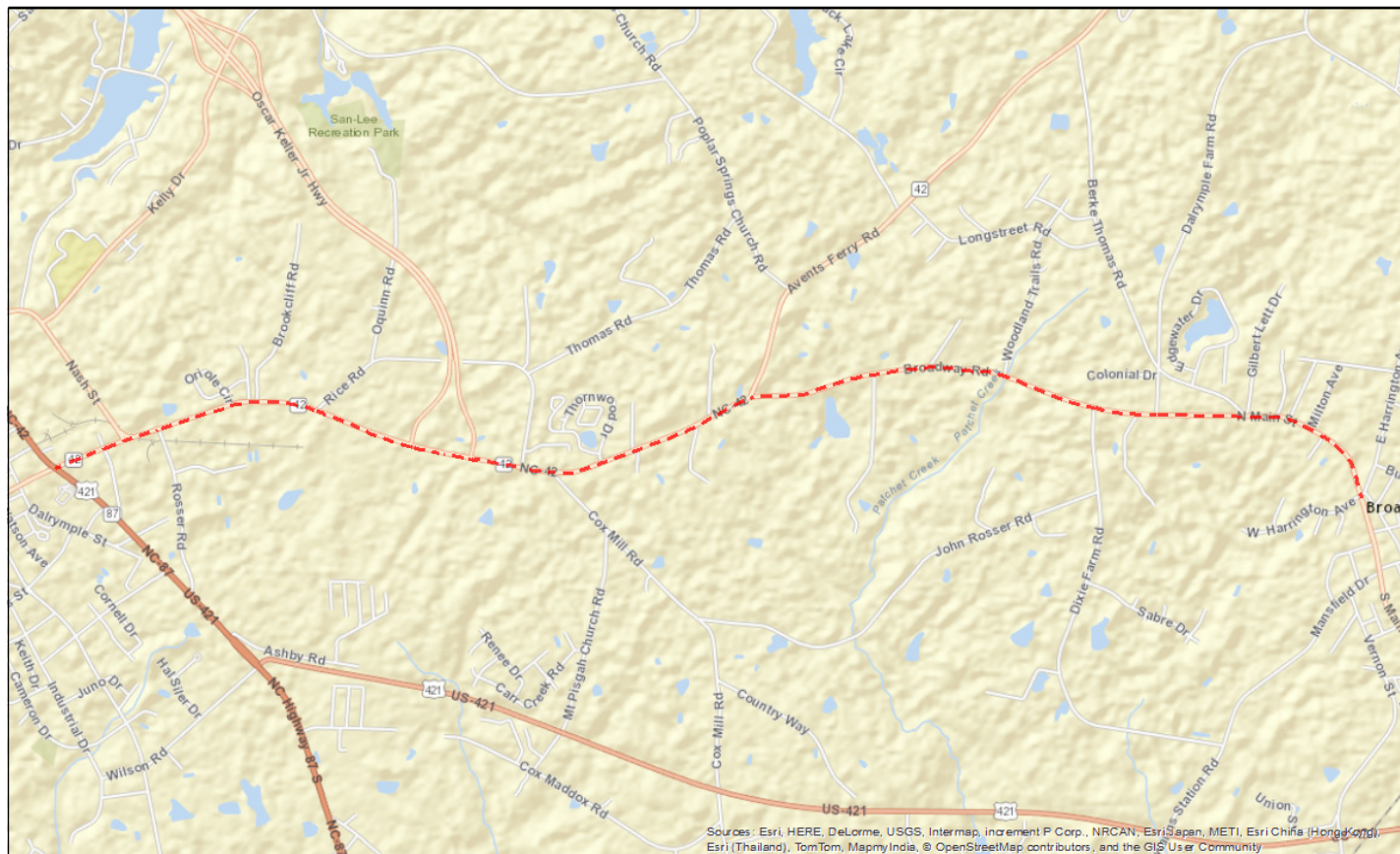
Widen to Multi-Lanes

Division(s): Division 8

County(s): LEE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 45.69

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-------------------------------|
| Congestion (V/C) (25%) 37.16 | Percent: 15% | Percent: 15% |
| Safety (10%) 48.49 | Points: 100 | Points: 100 |
| [Travel Time] Benefit/Cost (25%) 0.68 | | |
| Accessibility / Connectivity (10%) 13.86 | | |
| Totals: Weight: 70% Weighted Score: 15.69 | | |

Division Needs Total Score: 37.42

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-------------------------------|
| Congestion (V/C) (20%) 37.16 | Percent: 25% | Percent: 25% |
| Safety (10%) 48.49 | Points: 0 | Points: 100 |
| [Travel Time] Benefit/Cost (20%) 0.68 | | |
| Totals: Weight: 50% Weighted Score: 12.42 | | |

Project Data ***Existing Conditions**

| | |
|---|----------------|
| Existing Cross-Section: | |
| Speed Limit: | 43 |
| Length (miles): | 5.59 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 8793.79 |
| Capacity: | 15682.43 |
| Volume/Capacity Ratio: | 0.56 |
| % Autos: | 91% |
| % Trucks: | 9% |
| Truck Volume: | 772.06 |
| Crash Density: | 62.89 |
| Crash Severity: | 48.68 |
| Critical Crash Rate: | 33.92 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 24 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 92 |
| Actual Congested Speed: | 17.87 |
| Travel Time Index: | 1.26 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 45 |
| Length (miles): | 5.59 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 1855711.77 |
| Travel Time Savings for 30 Years (Autos): | 1692788.25 |
| Travel Time Savings for 30 Years (Trucks): | 162923.52 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 8 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 8 | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Triangle Area RPO | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 100 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$32,946,000 | TIP Unit |
| Right-of-Way Cost: | \$26,512,000 | Cost Estimation Tool |
| Utilities Cost: | \$3,181,000 | Cost Estimation Tool |
| Total Project Cost: | \$62,639,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$62,639,000 | |